720p HD DVR Sunglasses with Video Output

zShades-HDi

User Manual

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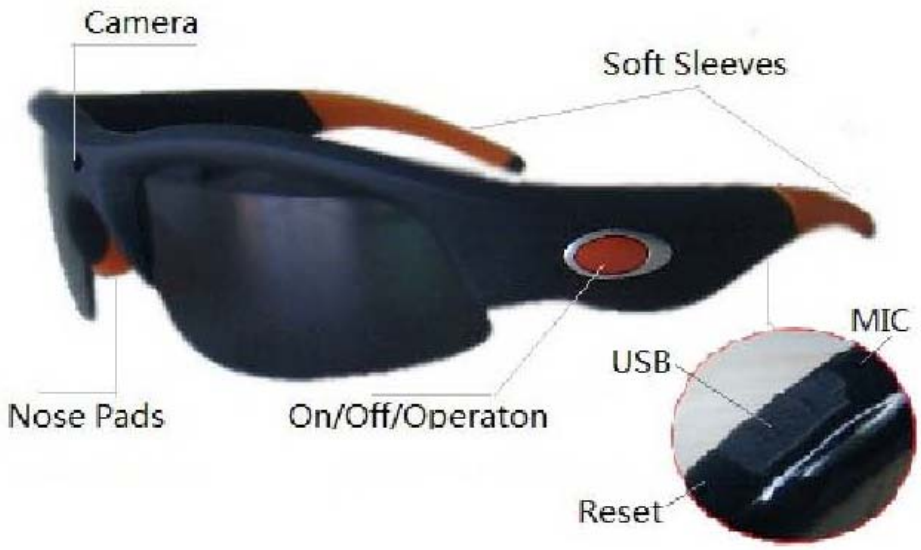

The Camera Recording Sunglasses

Is a simple, multifunctional recording device built into a working pair of sunglasses with interchangeable lenses. (Available in Dark Polarized (Standard), Clear, and Yellow Amber available at www.zetronix.com.) These sunglasses records video with the touch of a button.

In the Box

In the box you will find the zShades-HDi HD Video DVR Glasses, a USB cable, an AC power adapter, Hard Zip Case, Cleaning Cloth, Neck Strap, Carrying Bag, USB TV Out Cable Dark Polarized UV Lenses, and a Mini Disc that contains a driver that allows the device to be used as a webcam (32-bit Windows computers only) and a sample time text file along with a PDF version of this manual.

Getting Started

The first step in using your device is charging it. Connect the device to a USB port on your PC or plug it into AC power with the included adapter. While charging, the LED indicator will glow red and will turn off when the battery is full. Before first use, we suggest charging the device for 12 hours for the first five times. To maximize battery life we suggest using the product for the first five times until the battery has completely run out then recharging it again for 12 hours. In order to maximize the battery life we suggest you charging the unit for an extra 30 min to 1 hour after the LED has stopped glowing indicating the battery is full. A full charge will usually take 3 hours.

If you plan on viewing your files on your computer, we suggest using VLC Player. The most recent version can be downloaded at no cost from http://www.videolan.org.

To power the device on, hold down the ON/OFF / Operation button for 2-3 seconds. The inside LED indicator will be glow green while the device is booting. Once the device has booted the green LED will blink quickly

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then times. After the device has booted the glasses will start recording video automatically the green LED inside will blink slowly. To power the device off, hold down the ON/OFF Operation button for 2-3 seconds, and the LED light will turn off.

Recording Video

The zShades-HDi are preset with easy video recording one button operation, once you turn on the device it will automatically start recording video. To stop recording video press the ON/OFF Operation button, when the device is not recording video the inside LED will glow a solid green, to start recording video again press the ON/OFF Operation button, once the devices will start recording video the inside LED will slowly blink green.

Reviewing Files on a Computer

To view your files on a computer, simply connect the device via the supplied 2.5" USB cord or by inserting one end of the cable into the devices 2.5" USB Port and the other end directly into a USB port, to connect the device as an external drive to watch and copy recorded video make sure the devices is off when connection to your computer. Once connected press the power button and turn the device on. The glasses will connect as a removable drive, and depending on the settings on your PC, it may automatically notify you that new hardware has been detected. If so, select Open Folder to View Files. (If nothing is happens after you plug the glasses while their off and then turn them on while their plugged in try repeating the steps or plugging the glasses into a different USB port, also restart your computer)

If it is not automatically detected, click Start on your desktop. Select My Computer if you are using Windows, or a computer if using Windows Vista or Windows 7. The device should be listed as a Removable Disk under the Devices With Removable Storage section. Open that drive, there should be a subfolder called DCIM double click on it, in there should be another subfolder called DCIM all the files will be stored in that subfolder. As mentioned earlier, we suggest using VLC Player to play back video files.

On a Mac OS X System open the finder icon, the pen will be listed under devices in the left hand side on the bottom of the finder menu with an eject button next to it. As mentioned earlier, we suggest using VLC Player to play back video files in Mac.

Using Your Device as a Webcam

This device can only be used as a webcam on 32-bit Windows operating systems. If you are not using a Windows computer, or are using a 64-bit Windows computer, this function will not work.

To use your device as a webcam, you will first need to install the driver from the included CD or the glasses. To install the driver from the glasses first plug the glasses to your computer as an external drive as instructed above. In the root of the external drive you will see a folder called drivers and manuals. In that folder you go into another folder called PC Camera tool. 2 files will be listed under that folder, "en-188.exe" and "PC-camera-Driver.exe" Run the file called "PC-camera-Driver.exe" and install it on your PC. Once the driver is installed copy the "en-188.exe" file into your desktop. Safely unplug the glasses, if the green LED inside is glowing hold the ON/OFF Operation button for 2 – 3 seconds to turn the glasses off. Once the glasses are off, press the ON/OFF Operation button again for 2 – 3 to turn the glasses on. Make sure the glasses are ON and plug them back into your PC. Run the "en-188.exe" program from your desktop that you copied there and the glasses can now be used as webcam.

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Setting Time and Date

Setting the time and date stamp on your device is easy. Simply create a .txt file on your computer and name it “time” In that file you will enter the date and time in the following format: Year.Month.Date Hour:Minute:Second Y (Ex. 2012.04.26 16:20:00 Y) Setting Time and Date

To turn the time and date stamp off in the end string change Y to N Ex. 2011, 2012.04.26 16:20:00 N
There is also a sample txt file on the included CD and glasses in the drivers and manuals folder.

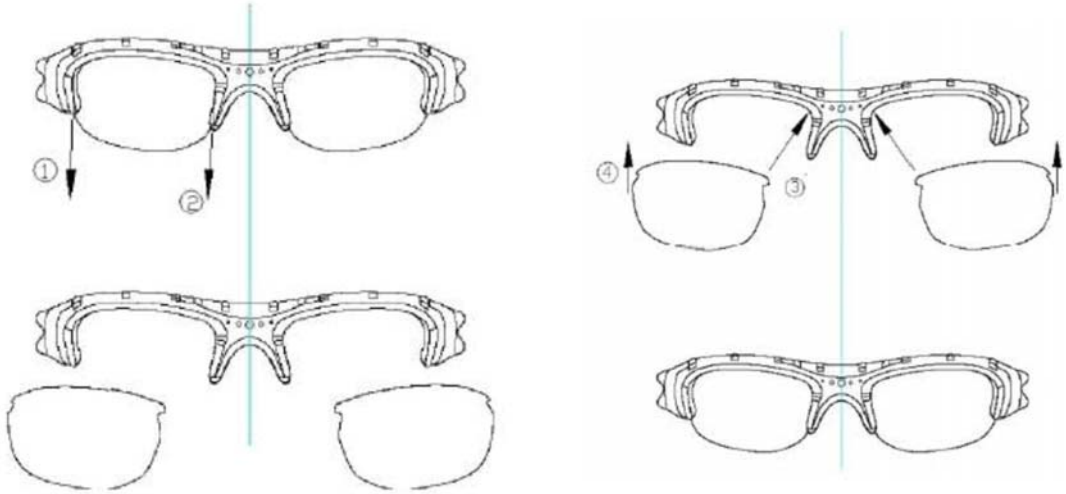
Once you’ve created the file, connect the device to your computer via USB and save the .txt file to the device’s root directory NOT IN ANY OF THE SUB FOLDERS. When you connect the device to your computer, it will be assigned a drive letter (ex. C:, D:, E:). When you open that drive, you are in the root directory, or topmost level of the drive.
After you have loaded the file, safely disconnect the device from your computer, turn the device on and off, and the time and date you loaded should now appear on any new videos and photos you record.

Video Playback on your TV

To play back the recorded video files on your TV without using your computer, first turn the glasses on by pressing the ON/OFF Operation button. Connect the included cable one end to the mini USB port of the glasses and connect the other end to your TV video input. Connect the red RCA plug to audio and yellow RCA to video. To start playing the video press the ON/OFF Operation button, press the button again to pause the video. To resume playback press the ON/OFF button again. If there are no video files recorded on the glasses the TV will display ‘NO IMAGE”

Changes the Lenses

The zShades-HDi are equipped with interchangeable lenses, the lenses can be removed from dark, to clear and yellow. To remove the lenses please start with one of the arms and pull the lenses out outwards. To insert the lenses back in start from the side and push the lenses inwards.



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LED Status Indicator

Operation Mode	LED Indicator Status
Turn ON	Green LED will glow solid, when booting the LED will glow solid then blink quickly three times when its ready to record. (The camera will start recording automatically after it has booted up)
Turn Off	All LEDs are off
Video Recording	A green LED will flash slowly
Memory Full	Green LED with start blinking faster for approx. 30 sec then shut off.
Low Battery	Green LED will blank very fast for approx. 30 sec then shut off.
Charging	Red LED will glow on.
Full Charged	Red LED will turn off.
USB Storage Mode	Green and Blue LED will glow on.

Troubleshooting

Problem: The device seems to have frozen and isn't reacting when any buttons are pressed.
Solution: This usually occurs if the device receives too many commands in too short a time. To reset the device, insert a pin into the reset hole and hold for 2 – 3 sec

Problem: When playing back my video, I can hear audio, but have no video.
Solution: This most often occurs if your computer's media player is having trouble with your files. Try using VLC player, which can be downloaded for free at http://www.videolan.org.

Problem: My video playback is "choppy" or "stuttering."
Solution: If this is occurring, try copying the video files to your PC. This happens when the file is too large to be played back using your USB connection Copy the files to your computer first them play them again.

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Technical Specifications

Dimensions	152mm x 60 mm x 42 mm (Folded)
Physical Weight	23 g
Video Resolution	1280x720p
Video Format	AVI
Aspect Ratio	16:9
Audio	16 bit data sample
Interface	USB 2.0 + TV output (PAL/NTSC)
Storage Memory	Built In 8GB / 16GB
Power Supply	High Capacity Lithium Polymer Rechargeable
Power Adapter	5V DC / 500mAh
Power Duration	1.5 - 2 Hours
Operating Temp	0 C – 70 C
Storage Temp	-20 C – 80 C
Player	Common Video Player or VLC Player
Operating System	Windows ME, 2000, XP, Vista, 7 / Max OS X

To download a PDF version of this manual or to receive addition technical support of please go to http://suport.zetonix.com

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